

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shinji Aoyama
Title: DATA BACKUP SYSTEM FOR PORTABLE
TELEPHONE AND METHOD FOR BACKING UP
DATA FOR PORTABLE TELEPHONE
Docket No.: 34461

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to the examination of the above-identified
application, the following amendments are to be made:

IN THE CLAIMS:

Please amend the claims as follows.

6. (Amended) A data backup system for a portable
telephone according to claim 2 or 3, wherein said data
backup unit further comprises a data storage section (52)
to store said data read by said data read section and
said external communication section automatically or at
an arbitrary time transmits to said database center said
data read by said data read section or said data stored
by said data storage section in association with the read
operation.

7. (Amended) A data backup system for a portable
telephone according to claim 2 or 3, wherein said data

backup unit further comprises a data storage section (52) to store said data read by said data read section and said database center automatically reads and stores said data stored by said data storage section in association with the connection of said data backup unit to said database center through said external communication section.

8. (Amended) A data backup system for a portable telephone according to claim 1, 2 or 3, wherein said data backup unit or said database center comprises a feedback section (42) to feed back said data stored in said database center to said portable telephone to re-memorize said data in said portable telephone.

9. (Amended) A data backup system for a portable telephone according to claim 1, 2 or 3, wherein said charging connection terminal and said information transmission interface part of said data backup unit are provided in positions corresponding to said charging terminals and said external information instrument connection terminals, respectively and removably attached onto the body of said data backup unit.

10. (Amended) A data backup system for a portable telephone according to claim 2 or 3, wherein said data

backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

11. (Amended) A data backup system for a portable telephone according to claim 1, 2 or 3, wherein said data, which are to be backed up and set and stored in said portable telephone include at least a control information or a setup function information required for an operation of said portable telephone and a telephone call information such as a telephone number information, an arrival telephone number information, a dispatch telephone number information, a telephone call time or other arbitrary data.

12. (Amended) A data backup system for a portable telephone according to claim 1, 2 or 3, wherein said data backup unit further includes a data transmission limit section (44) to be able to set a limit of transmission of said read and stored data to said database center whereby said data are transmitted and read unless the transmission of said data is limited by said data transmission limit section.

13. (Amended) A data backup system for a portable telephone according to claim 1, 2 or 3, wherein said data backup unit or said database center further comprises a data selection section (46) to arbitrarily select and set any of said data to be transmitted to said database center or to be read from said backup unit or said data to be fed back from said database center.

19. (Amended) A data backup method for a portable telephone according to claim 14, 15 or 16, wherein said data read from said portable telephone by the data backup unit are stored, said data read from the portable telephone or said data stored in said data backup unit are transmitted automatically or at an arbitrary time to said database center in association with the read operation.

20. (Amended) A data backup method for a portable telephone according to claim 14, 15 or 16, wherein said data read from said portable telephone by said data backup unit are stored, said data stored in a data storage section (52) are automatically read and stored by said database center in association with the connection of said data backup unit through an external communication means (50) to said database center.

21. (Amended) A data backup method for a portable telephone according to claim 15 or 16, wherein said data stored in said database center are fed back to said portable telephone by said data backup unit or said database center to re-memorize said data in said portable telephone.

22. (Amended) A data backup method for a portable telephone according to claim 14, 15 or 16, wherein a charging connection terminal (30) and a information transmission interface part (24) of said data backup unit (14) are provided in positions corresponding to a charging terminal (28) and an external information instrument connection terminal (22a) of said portable telephone, respectively and removably attached onto the body of said data backup unit.

23. (Amended) A data backup method for a portable telephone according to claim 15 or 16, wherein said data backup unit can transmit to said database center said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected as well.

24. (Amended) A data backup method for a portable telephone according to claim 14, 15 or 16, wherein said

data, which are to be backed up and set and stored in said portable telephone include at least a control information or a setup function information required for an operation of said portable telephone and a telephone call information such as a telephone number information, an arrival telephone number information, a dispatch telephone number information, a telephone call time or other arbitrary data.

25. (Amended) A data backup method for a portable telephone according to claim 14, 15 or 16, wherein said data backup unit can set a limit of transmission of said read and stored data to said database center whereby said data are transmitted and read unless the transmission of said data is limited by said data transmission limit section.

26. (Amended) A data backup system for a portable telephone according to claim 14, 15 or 16, wherein said data backup unit or said database center arbitrarily selects and sets any of said data to be transmitted to said database center or to be read from said backup unit or said data to be fed back from said database center.

Please add the following claims.

27. (New) A data backup system for a portable telephone according to claim 4, wherein said data backup unit further comprises a data storage section (52) to store said data read by said data read section and said external communication section automatically or at an arbitrary time transmits to said database center said data read by said data read section or said data stored by said data storage section in association with the read operation.

28. (New) A data backup system for a portable telephone according to claim 5, wherein said data backup unit further comprises a data storage section (52) to store said data read by said data read section and said external communication section automatically or at an arbitrary time transmits to said database center said data read by said data read section or said data stored by said data storage section in association with the read operation.

29. (New) A data backup system for a portable telephone according to claim 4, wherein said data backup unit further comprises a data storage section (52) to store said data read by said data read section and said database center automatically reads and stores said data

stored by said data storage section in association with the connection of said data backup unit to said database center through said external communication section.

30. (New) A data backup system for a portable telephone according to claim 5, wherein said data backup unit further comprises a data storage section (52) to store said data read by said data read section and said database center automatically reads and stores said data stored by said data storage section in association with the connection of said data backup unit to said database center through said external communication section.

31. (New) A data backup system for a portable telephone according to claim 4, wherein said data backup unit or said database center comprises a feedback section (42) to feed back said data stored in said database center to said portable telephone to re-memorize said data in said portable telephone.

32. (New) A data backup system for a portable telephone according to claim 5, wherein said data backup unit or said database center comprises a feedback section (42) to feed back said data stored in said database center to said portable telephone to re-memorize said data in said portable telephone.

33. (New) A data backup system for a portable telephone according to claim 6, wherein said data backup unit or said database center comprises a feedback section (42) to feed back said data stored in said database center to said portable telephone to re-memorize said data in said portable telephone.

34. (New) A data backup system for a portable telephone according to claim 27, wherein said data backup unit or said database center comprises a feedback section (42) to feed back said data stored in said database center to said portable telephone to re-memorize said data in said portable telephone.

35. (New) A data backup system for a portable telephone according to claim 28, wherein said data backup unit or said database center comprises a feedback section (42) to feed back said data stored in said database center to said portable telephone to re-memorize said data in said portable telephone.

36. (New) A data backup system for a portable telephone according to claim 7, wherein said data backup unit or said database center comprises a feedback section (42) to feed back said data stored in said database

center to said portable telephone to re-memorize said data in said portable telephone.

37. (New) A data backup system for a portable telephone according to claim 29, wherein said data backup unit or said database center comprises a feedback section (42) to feed back said data stored in said database center to said portable telephone to re-memorize said data in said portable telephone.

38. (New) A data backup system for a portable telephone according to claim 30, wherein said data backup unit or said database center comprises a feedback section (42) to feed back said data stored in said database center to said portable telephone to re-memorize said data in said portable telephone.

39. (New) A data backup system for a portable telephone according to claim 4, wherein said data backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

40. (New) A data backup system for a portable telephone according to claim 5, wherein said data backup

unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

41. (New) A data backup system for a portable telephone according to claim 6, wherein said data backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

42. (New) A data backup system for a portable telephone according to claim 27, wherein said data backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

43. (New) A data backup system for a portable telephone according to claim 28, wherein said data backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

44. (New) A data backup system for a portable telephone according to claim 7, wherein said data backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

45. (New) A data backup system for a portable telephone according to claim 29, wherein said data backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

46. (New) A data backup system for a portable telephone according to claim 30, wherein said data backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

47. (New) A data backup system for a portable telephone according to claim 8, wherein said data backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other

than said portable telephone, to which said data backup unit is connected.

48. (New) A data backup system for a portable telephone according to claim 31, wherein said data backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

49. (New) A data backup system for a portable telephone according to claim 32 wherein said data backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

50. (New) A data backup system for a portable telephone according to claim 33, wherein said data backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

51. (New) A data backup system for a portable telephone according to claim 34, wherein said data backup

unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

52. (New) A data backup system for a portable telephone according to claim 35, wherein said data backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

53. (New) A data backup system for a portable telephone according to claim 36, wherein said data backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

54. (New) A data backup system for a portable telephone according to claim 9, wherein said data backup unit can transmit to said database center also said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

55. (New) A data backup method for a portable telephone according to claim 17, wherein said data read from said portable telephone by the data backup unit are stored, said data read from the portable telephone or said data stored in said data backup unit are transmitted automatically or at an arbitrary time to said database center in association with the read operation.

56. (New) A data backup method for a portable telephone according to claim 18, wherein said data read from said portable telephone by the data backup unit are stored, said data read from the portable telephone or said data stored in said data backup unit are transmitted automatically or at an arbitrary time to said database center in association with the read operation.

57. (New) A data backup method for a portable telephone according to claim 17, wherein said data read from said portable telephone by said data backup unit are stored, said data stored in a data storage section (52) are automatically read and stored by said database center in association with the connection of said data backup unit through an external communication means (50) to said database center.

58. (New) A data backup method for a portable telephone according to claim 18, wherein said data read from said portable telephone by said data backup unit are stored, said data stored in a data storage section (52) are automatically read and stored by said database center in association with the connection of said data backup unit through an external communication means (50) to said database center.

59. (New) A data backup method for a portable telephone according to claim 17, wherein said data backup unit can transmit to said database center said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected as well.

60. (New) A data backup method for a portable telephone according to claim 18, wherein said data backup unit can transmit to said database center said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected as well.

61. (New) A data backup method for a portable telephone according to claim 19, wherein said data backup unit can transmit to said database center said data set

and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected as well.

62. (New) A data backup method for a portable telephone according to claim 20, wherein said data backup unit can transmit to said database center said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected as well.

63. (New) A data backup method for a portable telephone according to claim 21, wherein said data backup unit can transmit to said database center said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected as well.

REMARKS

The foregoing amendments are necessary in order to correct multiple claim dependency and to provide applicant with additional protection to which he is entitled.

Attached hereto are pages entitled "Version With Markings to Show Changes Made".

If there are any further fees required by this communication not covered by the enclosed check, or if no check is enclosed, please charge the same to Deposit Account No. 16-0820, Order No. 34461.

Respectfully submitted,

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March 14, 2002

"Version With Markings to Show Changes Made"

Applicant: Shinji Aoyama
Title: DATA BACKUP SYSTEM FOR PORTABLE TELEPHONE
AND METHOD FOR BACKING UP DATA FOR
PORTABLE TELEPHONE
Docket No.: 34461

IN THE CLAIMS:

The claims have been amended as follows.

6. (Amended) A data backup system for a portable telephone according to [either of claims 2 through 5] claim 2 or 3, wherein said data backup unit further comprises a data storage section (52) to store said data read by said data read section and said external communication section automatically or at an arbitrary time transmits to said database center said data read by said data read section or said data stored by said data storage section in association with the read operation.

7. (Amended) A data backup system for a portable telephone according to [either of claims 2 through 5] claim 2 or 3, wherein said data backup unit further comprises a data storage section (52) to store said data read by said data read section and said database center automatically reads and stores said data stored by said

data storage section in association with the connection of said data backup unit to said database center through said external communication section.

8. (Amended) A data backup system for a portable telephone according to [either of claims 1 through 7] claim 1, 2 or 3, wherein said data backup unit or said database center comprises a feedback section (42) to feed back said data stored in said database center to said portable telephone to re-memorize said data in said portable telephone.

9. (Amended) A data backup system for a portable telephone according to [either of claims 1 through 8] claim 1, 2 or 3, wherein said charging connection terminal and said information transmission interface part of said data backup unit are provided in positions corresponding to said charging terminals and said external information instrument connection terminals, respectively and removably attached onto the body of said data backup unit.

10. (Amended) A data backup system for a portable telephone according to [either of claims 2 through 9] claim 2 or 3, wherein said data backup unit can transmit to said database center also said data set and stored in

an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected.

11. (Amended) A data backup system for a portable telephone according to [either of claims 1 through 10] claim 1, 2 or 3, wherein said data, which are to be backed up and set and stored in said portable telephone include at least a control information or a setup function information required for an operation of said portable telephone and a telephone call information such as a telephone number information, an arrival telephone number information, a dispatch telephone number information, a telephone call time or other arbitrary data.

12. (Amended) A data backup system for a portable telephone according to [either of claims 1 through 11] claim 1, 2 or 3, wherein said data backup unit further includes a data transmission limit section (44) to be able to set a limit of transmission of said read and stored data to said database center whereby said data are transmitted and read unless the transmission of said data is limited by said data transmission limit section.

13. (Amended) A data backup system for a portable telephone according to [either of claims 1 through 12]

claim 1, 2 or 3, wherein said data backup unit or said database center further comprises a data selection section (46) to arbitrarily select and set any of said data to be transmitted to said database center or to be read from said backup unit or said data to be fed back from said database center.

19. (Amended) A data backup method for a portable telephone according to [either of claims 15 through 18] claim 14, 15 or 16, wherein said data read from said portable telephone by the data backup unit are stored, said data read from the portable telephone or said data stored in said data backup unit are transmitted automatically or at an arbitrary time to said database center in association with the read operation.

20. (Amended) A data backup method for a portable telephone according to [either of claims 15 through 18] claim 14, 15 or 16, wherein said data read from said portable telephone by said data backup unit are stored, said data stored in a data storage section (52) are automatically read and stored by said database center in association with the connection of said data backup unit through an external communication means (50) to said database center.

21. (Amended) A data backup method for a portable telephone according to [either of claims 15 through 20] claim 15 or 16, wherein said data stored in said database center are fed back to said portable telephone by said data backup unit or said database center to re-memorize said data in said portable telephone.

22. (Amended) A data backup method for a portable telephone according to [either of claims 14 through 21] claim 14, 15 or 16, wherein a charging connection terminal (30) and a information transmission interface part (24) of said data backup unit (14) are provided in positions corresponding to a charging terminal (28) and an external information instrument connection terminal (22a) of said portable telephone, respectively and removably attached onto the body of said data backup unit.

23. (Amended) A data backup method for a portable telephone according to [either of claims 15 through 22] claim 15 or 16, wherein said data backup unit can transmit to said database center said data set and stored in an electrical instrument (58) other than said portable telephone, to which said data backup unit is connected as well.

24. (Amended) A data backup method for a portable telephone according to [either of claims 14 through 23] claim 14, 15 or 16, wherein said data, which are to be backed up and set and stored in said portable telephone include at least a control information or a setup function information required for an operation of said portable telephone and a telephone call information such as a telephone number information, an arrival telephone number information, a dispatch telephone number information, a telephone call time or other arbitrary data.

25. (Amended) A data backup method for a portable telephone according to [either of claims 14 through 24] claim 14, 15 or 16, wherein said data backup unit can set a limit of transmission of said read and stored data to said database center whereby said data are transmitted and read unless the transmission of said data is limited by said data transmission limit section.

26. (Amended) A data backup system for a portable telephone according to [either of claims 14 through 25] claim 14, 15 or 16, wherein said data backup unit or said database center arbitrarily selects and sets any of said data to be transmitted to said database center or to be

read from said backup unit or said date to be fed back
from said database center.

Claims 27 - 63 have been added and, therefore, no
marked-up version is required.